

3501.0905 GRADE 1 STANDARDS.**Subpart 1. The nature of science and engineering.**

A. The practice of science. The student will understand that scientists work as individuals and in groups to investigate the natural world, emphasizing evidence and communicating with others.

B. Interactions among science, technology, engineering, mathematics, and society. The student will understand that designed and natural systems exist in the world. The student will understand that these systems are made up of components that act within a system and interact with other systems.

C. Interactions among science, technology, engineering, mathematics, and society. The student will understand that men and women throughout the history of all cultures, including Minnesota American Indian tribes and communities, have been involved in engineering design and scientific inquiry.

Subp. 2. Earth and space science; earth structure and processes. The student will understand that earth materials include solid rocks, sand, soil, and water. The student will understand that these materials have different observable physical properties that make them useful.

Subp. 3. Life science.

A. Structure and function in living systems. The student will understand that living things are diverse with many different observable characteristics.

B. Interdependence among living systems. The student will understand that natural systems have many components that interact to maintain the system.

C. Evolution in living systems. The student will understand that plants and animals undergo a series of orderly changes during their life cycles.

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